WHAT IS CLAIMED IS:

1. A system for the attenuation of radiation during a Computed Tomography procedure conducted using a Computed Tomography machine having a gantry defining an opening, the system comprising:

a shield made of a radiation attenuation material, the shield is configured to be disposed at least partially in front of the opening defined by the gantry to reduce radiation exposure during the Computed Tomography procedure.

2. The system of claim 1, wherein the shield is configured to be coupled to the Computed Tomography machine.

3. The system of claim 2, wherein the shield is configured to be detachably coupled to the Computed Tomography machine.

4. The system of claim 2, wherein the shield is configured to be coupled to a front portion of the Computed Tomography machine near the gantry.

5. The system of claim 4, wherein the shield is configured to be coupled to the front portion of the Computed Tomography machine and a patient table.

6. The system of claim 3, further comprising a fastener provided on the shield for detachably coupling the shield to the Computed Tomography machine.

7. The system of claim 6, wherein the fastener is a hook and loop fastener.

8. The system of claim 7, wherein the hook and loop fastener is provided along a top portion of the shield.

9. The system of claim 6, wherein the fastener is a snap, adhesive, grommet, or zipper.

10. The system of claim 1, wherein the shield is a solid member that is disposed at least partially in front of the opening defined by the gantry.

11. The system of claim 1, wherein the shield includes a plurality of flaps extending in a substantially vertical direction.

12. The system of claim 1, wherein the shield is a curtain having at least one slit starting at a bottom edge of the shield and extending in a substantially vertical direction for enabling access to the patient.

13. The system of claim 12, wherein the shield includes a plurality of slits for enabling access to the patient.

14. The system of claim 1, wherein the shield has a substantially rectangular shape.

15. The system of claim 1, wherein the shield has a curvilinear edge.

16. The system of claim 15, wherein the shield has a substantially circular shape.

17. The system of claim 1, wherein the shield is configured to reduce radiation exposure to a medical personnel near the Computed Tomography machine during the Computed Tomography procedure

18. The system of claim 1, wherein the shield is configured to reduce radiation exposure to the patient during the Computed Tomography procedure.

19. A system for the attenuation of radiation during a Computed Tomography procedure conducted using a Computed Tomography machine, the system comprising:

a shield made of a radiation attenuation material, the shield is configured to be positioned between a medical personnel and the Computed Tomography machine to protect the medical personnel from radiation exposure during the Computed Tomography procedure.

20. The system of claim 19, wherein the shield is configured to be positioned near at least one of a patient table and a gantry of the Computed Tomography machine.

21. The system of claim 19, wherein the shield is configured to be coupled to at least one of a patient table and a front portion of the Computed Tomography.

22. The system of claim 21, wherein the shield is configured to be coupled to the patient table along an outer edge of the shield and drape over the side of the patient table until a bottom portion of the shield is substantially near a floor.

23. The system of claim 21, wherein the shield is coupled to the front portion of the Computed Tomography machine near a gantry.

24. The system of claim 21, wherein the attenuation material is a flexible material.

25. The system of claim 24, wherein the shield is dimensioned to be coupled to both the patient table and the front portion of the Computed Tomography machine.

26. The system of claim 24, wherein the shield is substantially rectangular in shape.

27. The system of claim 19, wherein the shield is positionable of both sides of the patient table.

28. A system for the attenuation of radiation during a procedure that emits ionizing radiation, the system comprising:

a shield made of a radiation attenuation material, the shield is configured to be draped over and around substantially all secondary areas of a patient to protect the secondary areas of the patient from radiation exposure.

29. The system of claim 28, wherein the shield includes a missing portion that allows a target area to be examined.

30. The system of claim 29, wherein the missing portion is an opening in the shield.

31. The system of claim 30, wherein the shield includes a fastener for selectively sealing and exposing the opening.

32. The system of claim 29, wherein the shield is configured to cover at least a patient's head, neck, back, chest, and groin.

33. The shield of claim 32, wherein the shield is further configured to cover a patient's arms and legs.

34. The system of claim 28, wherein the system is configured as a combination of a vest, a skirt, and a helmet.

35. The system of claim 34, wherein the system is configured to expose a target area on the patient by allowing a portion of the system to be moved out of the way while the procedure is conducted.

36. The system of claim 28, wherein the system is configured for use with Computed Tomography procedures.

37. A method of attenuating radiation exposure to a medical personnel during a Computed Tomography procedure preformed by a Computed Tomography machine, the method comprising:

disposing a radiation attenuation material on the Computed Tomography machine between the medical personnel and the Computed Tomography machine.

38. The method of claim 37, further comprising disposing the radiation attenuation material across an opening defined by a gantry of a Computed Tomography machine.

39. The method of claim 35, further comprising coupling the radiation attenuation material to a front portion of the Computed Tomography machine.

40. The method of claim 37, further comprising coupling the radiation material to a patient table.

41. A system for the attenuation of radiation during a Computed Tomography procedure conducted using a Computed Tomography machine, the system comprising:

means for reducing radiation exposure to a medical personnel during the Computed Tomography procedure,

wherein the means is coupled to the Computed Tomography machine and positioned between the Computed Tomography machine and the medical personnel.